INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/001210

Box No. 1 Nucleotide and/or amino acid sequence(s) (Continuation of item1.b of the first sheet)				
1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:	l			
a. type of material X a sequence listing table(s) related to the sequence listing				
b. format of material				
in written format				
in computer readable form				
c. time of filing/furnishing				
Contained in the international application as filed				
X filed together with the international application in computer readable form				
furnished subsequently to this Authority for the purposes of search				
2. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been file or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	i			
3. Additional comments:				

INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2004/001210

CLASSIFICATION OF SUBJECT MATTER A. IPC7 C12N 1/21 According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC7 C12N 1/21, C12P 1/04, 7/46 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean patents and applications for inventions since 1975 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKIPASS, PubMed, CA, 'succinic acid', 'Mannheimia', 'rumen bacterium' C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category* Lee, P.C. et al., 'Isolation and characterization of a new succinic acid-producing bacterium, 1-30 Α Mannheimia succiniciproducens MBEL55E, from bovine rumen', Appl. Microbiol. Biotechnol., 58: 663-668, Feb. 08, 2002. See the whole document. 1-30 Lee, P.C. et al., 'Batch and continuous cultures of Mannheimia succiniciproducens MBEL55E for the production of succinic acid from whey and corn steep liquor', Bioprocess. Biosyst. Eng., 26: 63-67, Oct. 03, 2003. See the whole document. 1-30 KR 2002-0003712 (BIOINFOMETICS co.), Jan. 15, 2002. See the whole document. 1-30 KR 1999-0014331 (KIST), Feb. 25, 1999. See the whole document. 1-30 US 5,521,075 (Michael V. Guettler), May. 28, 1996. See the whole document. A US 5,143,833 (Datta, Rathin), Sep. 01, 1992. See the whole document. 1-30 A X See patent family annex. Further documents are listed in the continuation of Box C. Special categories of cited documents: "T" later document published after the international filing date or priority document defining the general state of the art which is not considered date and not in conflict with the application but cited to understand the principle or theory underlying the invention to be of particular relevance earlier application or patent but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive filing date document which may throw doubts on priority claim(s) or which is step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be cited to establish the publication date of citation or other considered to involve an inventive step when the document is special reason (as specified) document referring to an oral disclosure, use, exhibition or other combined with one or more other such documents, such combination being obvious to a person skilled in the art document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 14 SEPTEMBER 2004 (14.09.2004) 14 SEPTEMBER 2004 (14.09.2004) Authorized officer Name and mailing address of the ISA/KR Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, LEE, CHUNG HO

Telephone No. 82-42-481-8160

Republic of Korea

Facsimile No. 82-42-472-7140

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/001210

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 2002-0003712 A	2002.01.15.	none	
KR 1999-0014331 A	1999.02.25.	WO 1999/006532 A1 US 6,448,061 EP 0990025 A1	1999.02.11. 2002.09.10. 2000.04.05.
US 5,521,075 A	1996.05.28.	none	,
US 5,143,833 A	1992.09.01.	EP 0405707 A1 JP 62294090 A2 US 5,168,055	1991.01.02. 1987.12.21. 1992.12.01.